II. AMENDMENTS TO THE CLAIMS

1-21. (Canceled)

22. (Currently Amended) ~~In a~~ A method of treating ~~infertility~~ fertility disorders by administering an LHRH-antagonist selected from the group consisting of ganirelix, antarelix antide, azaline B, ramorelix, A-76154, Nal-Glu, 88-88 and cetrorelix, and inducing follicle growth by administration of hMG or recombinant FSH (Controlled Ovarian Stimulation~~, "COS")~~ in combination with clomiphene, the improvement comprising administering an amount of said LHRH-antagonist which is sufficient to suppress endogenous LH while maintaining FSH secretion at a natural level and estrogen development is not affected ~~up~~ until ovulation induction.

23-25. (Canceled)

26. (Currently Amended) The method according to ~~claim 25~~ claim 22, wherein Controlled Ovarian Stimulation ~~(COS)~~ is started on day 2 after spontaneous menstrual bleeding by administering 100 mg clomphencitrate per day for 3 to 7 days and 0.2 to 1.0 mg ~~Cetrorelix~~ cetrorelix is administered with hMG starting on stimulation day 5.

27. (Currently Amended) The method according to ~~claim 25~~ claim 22, wherein ~~COS~~ Controlled Ovarian Stimulation is started on day 2 after spontaneous menstrual bleeding by administering 100 mg ~~Clompheneitrate~~ clomiphene per day for 3 to 7 days and 0.2 to 1.0 mg ~~Cetrorelix~~ cetrorelix is administered with recombinant FSH starting on stimulation day 6.

28. (Currently Amended) The method according to ~~claim 24~~ claim 27 wherein ~~Cetrorelix~~ cetrorelix is administered subcutaneously in an amount between 0.1 and 5 mg per day during a multiple dosing ~~posology~~ regimen.

29. (Previously Presented) The method according to claim 22 wherein the LH-RH antagonist is administered as a single or dual subcutaneous dose in an amount between 1 and 10 mg.

30. (Previously Presented) The method according to claim 29 wherein the LH-RH antagonist is administered as a single or dual subcutaneous dose in an amount between 2 and 6 mg.

31. (Currently Amended) The method according to claim 22 wherein the LH-RH antagonist is administered as an initial single ~~does~~ dose in the range of 1 mg to 10 mg, followed by a multiple daily dose in an amount between 0.2 and 1.0 mg.

32. (Previously Presented) The method according to claim 31 wherein the single dose is between 2 and 6 mg.

33. (Previously Presented) The method according to claim 22 wherein ovulation is induced by recombinant LH.

34. (Previously Presented) The method according to claim 22 wherein ovulation is induced by native LHRH.

35. (Cancel)

36. (Currently Amended) The method according to claim 22 wherein ovulation is induced by human chorionic gonadotropin HCG.

37. (Previously Presented) The method according to claim 22 wherein native LHRH or an LHRH antagonist is administered so that luteal phase supplementation is avoided and negative effects of HCG are prevented during the luteal phase.

38. (Previously Presented) The method according to claim 22 wherein recombinant LH, native LHRH or LHRH agonist is administered so that ovarian hyperstimulation syndrome is avoided.

39. (Currently Amended) A method of treating infertility disorders comprising administering an amount of ~~Cetrorelix~~ cetrorelix as an LH-RH antagonist which is sufficient to suppress endogenous LH while maintaining FSH secretion at a natural level and not affecting estrogen development and further administrating clomiphene to induce follicle growth, wherein after cessation of ~~Cetrorelix~~ cetrorelix administration, subsequent follicle development is facilitated ~~only~~ with remaining endogenous LH and FSH.

40. (Currently Amended) The method of claim ~~22~~ 39 wherein ~~the LH-RH antagonist Cetrorelix~~ cetrorelix is administered beginning on cycle day 6 to 10 and ovulation is induced between day 7 and day 11 of the menstrual cycle.

41. (Currently Amended) The method of claim ~~24~~ 39 wherein ~~Cetrorelix~~ cetrorelix is administered either in a single or dual dose of 1 to 10 mg or in a multiple dosage of 0.1 to 0.5 mg starting at cycle day 1 to 10 and ovulation is induced between day 9 and day 20 of the menstrual cycle.

42. (Currently Amended) The method according to claim 41 wherein ~~Cetrorelix~~ cetrorelix is administered starting on cycle day 4 to 9.